

From: Mia, Marcia

Sent: Wednesday, May 01, 2019 04:07 PM

To: Colin Peirce; Casey MacQueen; Williams, Christopher; Burke, Shaun; Cox, John

Subject: RE: Low Production Wells R8

Attachments: 0000a Compliance Report Spreadsheet_2019_R3_4_5_9_10.xlsx

Hi Colin and Casey,

I finally got the other regions (3, 4, 5, , 9 and 10) completed. There are about 150-175 more well sites. R8 actually isn't finished, I thought they were. They should finish on Monday. Not sure how many more wells they have to report - she said they have 10 more reports to go thru. So maybe another 100-150.

How are we doing on the LOE we provided for this? Can you accommodate this additional work? Thanks.

Marcia B Mia

Air Branch

Office of Compliance

2227A WJCS

U.S. Environmental Protection Agency

202-564-7042

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From: Colin Peirce <Colin.Peirce@erg.com>

Sent: Friday, April 19, 2019 4:32 PM

To: Mia, Marcia <Mia.Marcia@epa.gov>; Casey MacQueen <Casey.Pickering@erg.com>; Williams, Christopher <Williams.Christopher@epa.gov>; Burke, Shaun <Burke.Shaun@epa.gov>; Cox, John <cox.john@epa.gov>

Subject: RE: Low Production Wells R8

Marcia you read my mind! We'll drop it all in one spreadsheet and have a column designating Region to allow for filtering.

Colin Peirce

571-403-9884

2305 Historic Decatur Rd. Suite 100

San Diego, CA 92106

Regular availability: Monday through Friday, 8:00 AM PT to 4:00 PM PT. Please send me an email if you need to meet outside those times.

From: Mia, Marcia <Mia.Marcia@epa.gov>

Sent: Thursday, April 18, 2019 13:52

To: Colin Peirce <Colin.Peirce@erg.com>; Casey Pickering <Casey.Pickering@erg.com>; Williams, Christopher <Williams.Christopher@epa.gov>; Burke, Shaun <Burke.Shaun@epa.gov>; Cox, John <cox.john@epa.gov>

Subject: RE: Low Production Wells R8

Can you do one master spreadsheet, and then a spreadsheet with low production wells and another with non-low production wells? Can be worksheets or separate files, whichever is easier.

Is there currently a region column? Adding a region column would allow the regions to carve theirs out if they want to, but it isn't necessary to have region specific sheets for the purpose of the larger project.

Thank you!

Marcia B Mia

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From: Colin Peirce <Colin.Peirce@erg.com>

Sent: Thursday, April 18, 2019 4:46 PM

To: Mia, Marcia <Mia.Marcia@epa.gov>; Casey MacQueen <Casey.Pickering@erg.com>; Williams, Christopher <Williams.Christopher@epa.gov>; Burke, Shaun <Burke.Shaun@epa.gov>; Cox, John <cox.john@epa.gov>

Subject: RE: Low Production Wells R8

Marcia - would you like us to have one excel file for each region, or one for all regions combined?

Colin Peirce

571-403-9884

2305 Historic Decatur Rd. Suite 100

San Diego, CA 92106

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From: Mia, Marcia <Mia.Marcia@epa.gov>

Sent: Wednesday, April 17, 2019 06:14

To: Casey Pickering <Casey.Pickering@erg.com>; Williams, Christopher <Williams.Christopher@epa.gov>; Burke, Shaun <Burke.Shaun@epa.gov>; Colin Peirce <Colin.Peirce@erg.com>; Cox, John <cox.john@epa.gov>

Subject: Low Production Wells R8

Marcia B Mia

Air Branch

Office of Compliance

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202-564-7042

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From: Beeler, Cindy

Sent: Tuesday, April 09, 2019 1:37 PM

To: Mia, Marcia <Mia.Marcia@epa.gov>

Subject: FW: TO POLISH RE: Copy of 0000a Reports Evaluation_mbm_R8_r3.xlsx

Marcia - Here is the workbook that should have progress4ed much since the last one sent to include # leaks ... I've not reviewed yet, but wanted to get to you asap.

Cindy Beeler

US EPA Region 8

Tel: 303-312-6204

Beeler.Cindy@epa.gov

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From: Beeler, Cindy

Sent: Wednesday, March 27, 2019 12:26 PM

To: 'Muhamed Abdalhafez.STP' <Muhamed.Abdalhafez.STP@scienceandtech.org>

Cc: Loiacono, Sara <loiacono.sara@epa.gov>

Subject: TO POLISH RE: Copy of 0000a Reports Evaluation_mbm_R8_r3.xlsx

***** I AM ON VACATION 4/1-4/8 so SARA LOIACONO (303-312-6626) WILL BE YOUR CONTACT IN MY ABSENCE ... Either of you can call me at 303-517-1787 if you have questions *****

Muhamed -

I hope you had a great Spring Break! I talked with HQ and we're missing a critical piece of information which I explain below.

Thanks for the workbook and your latest changes. Please use this attached file for continued work - I've moved some wells to individual columns (vs. all in the same column ... the more I look at this, the further examples I see of all wells not being input to separate Well ID columns so that needs to be cleaned up) and cleaned up formatting.

I can see now, too, that on the "Production" worksheet, there is a column we missed that is important to this analysis - 'Number of leaks' (those will have to be counted manually). Not all leak surveys found leaks, so then 'Number of leaks' would be left blank.

To mine the important 'Number of leaks' and add it to our attached file (Copy of 0000a Reports Evaluation_mbm_R8_r3.xlsx), you'll need to go back into each operator report and find that piece of information and add it to Copy of 0000a Reports Evaluation_mbm_R8_r3.xlsx. FYI - this workbook is organized in the same order as you input each row (so, 50 Buttes, Anadarko, Bayswater, etc.).

I explain this below using "Anadarko_Part 60 Subpart 0000a - 60.5420a(b) Annual Report

(CEDRI Format).xlsx" as an example:

From the "Fugitive Emissions Component" worksheet in the operator report files, count the # of leaks found (i.e. 'emissions detected' in Column M). For example, see the report file from Anadarko and the Facility "LOCHBUIE 4C 30C-13" on their 12/01/2017 survey:

So, now you go back in the attached workbook (Copy of OOOOa Reports Evaluation_mbm_R8_r3.xlsx) and find the particular Facility (LOCHBUIE 4C 30C-13 and the corresponding 'Date of Survey' ... and add in the 'Number of Leaks'

... in the case of Facility "LOCHBUIE 4C 30C-13" on the 12/01/2017 survey, it is $1+1 = 2$:

... in the case of Facility "LOCHBUIE 4C 30C-13" on the 06/09/2018 survey, it is $1+1+1+1+1 = 5$:

To find the facility in Copy of OOOOa Reports Evaluation_mbm_R8_3.xlsx, you can use the 'Find' function in Xcel:

Muhamed - I cannot find the 2nd LOCHBUIE 4C 30C-13, 06/09/18 survey in the attached workbook???

ALSO - if the emissions detected are from a 'Thief Hatch' (remember the opening on top of the storage tanks?) please indicate "Y" in the Column R, "Leak from Thief Hatch?"

Cindy Beeler

US EPA Region 8

Tel: 303-312-6204

Beeler.Cindy@epa.gov

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From: Muhamed Abdalhafez.STP <Muhamed.Abdalhafez.STP@scienceandtech.org>

Sent: Friday, March 22, 2019 8:20 AM

To: Beeler, Cindy <Beeler.Cindy@epa.gov>

Subject: Copy of 0000a Reports Evaluation_mbm_R8.xlsx